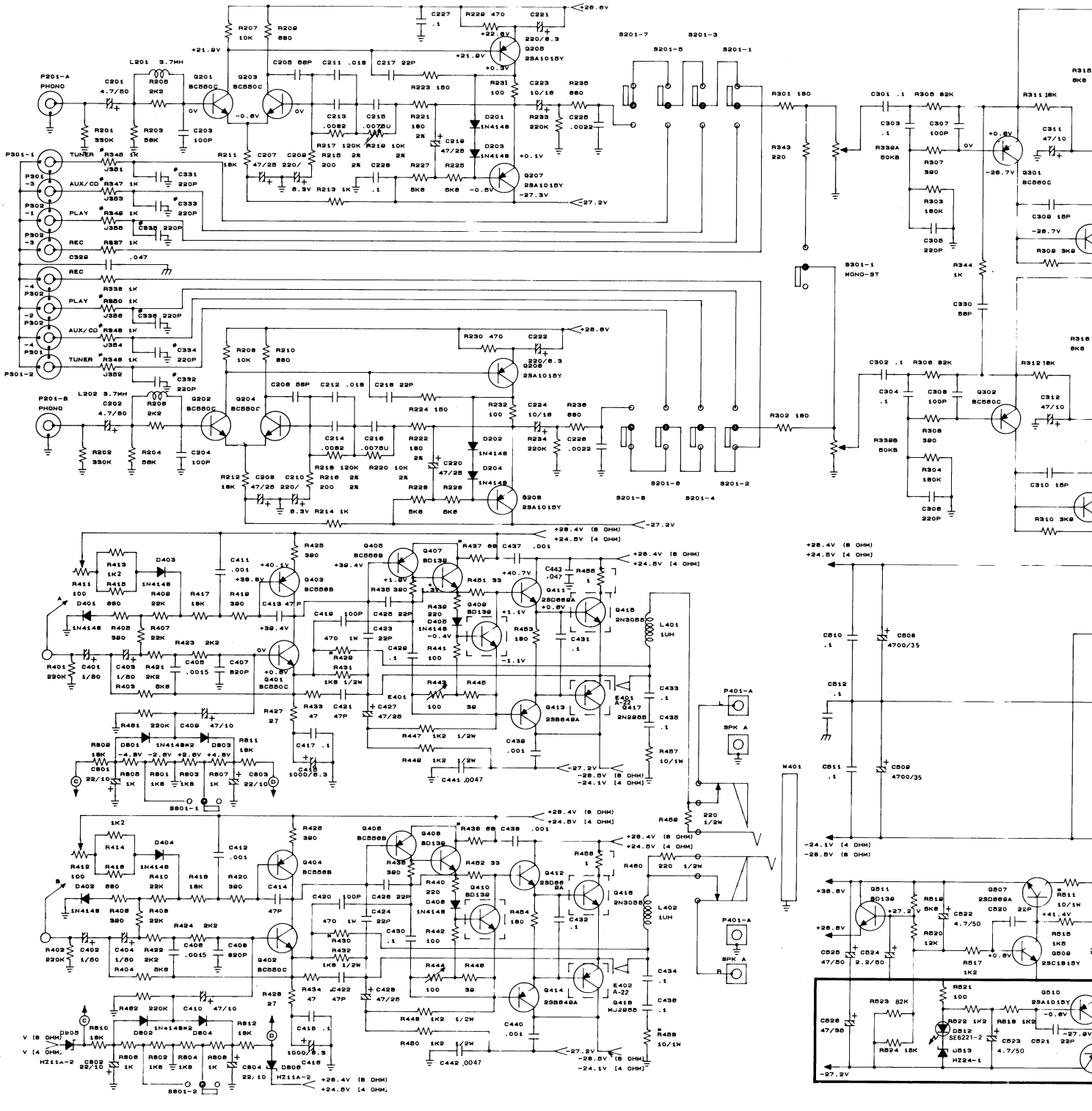
NAD

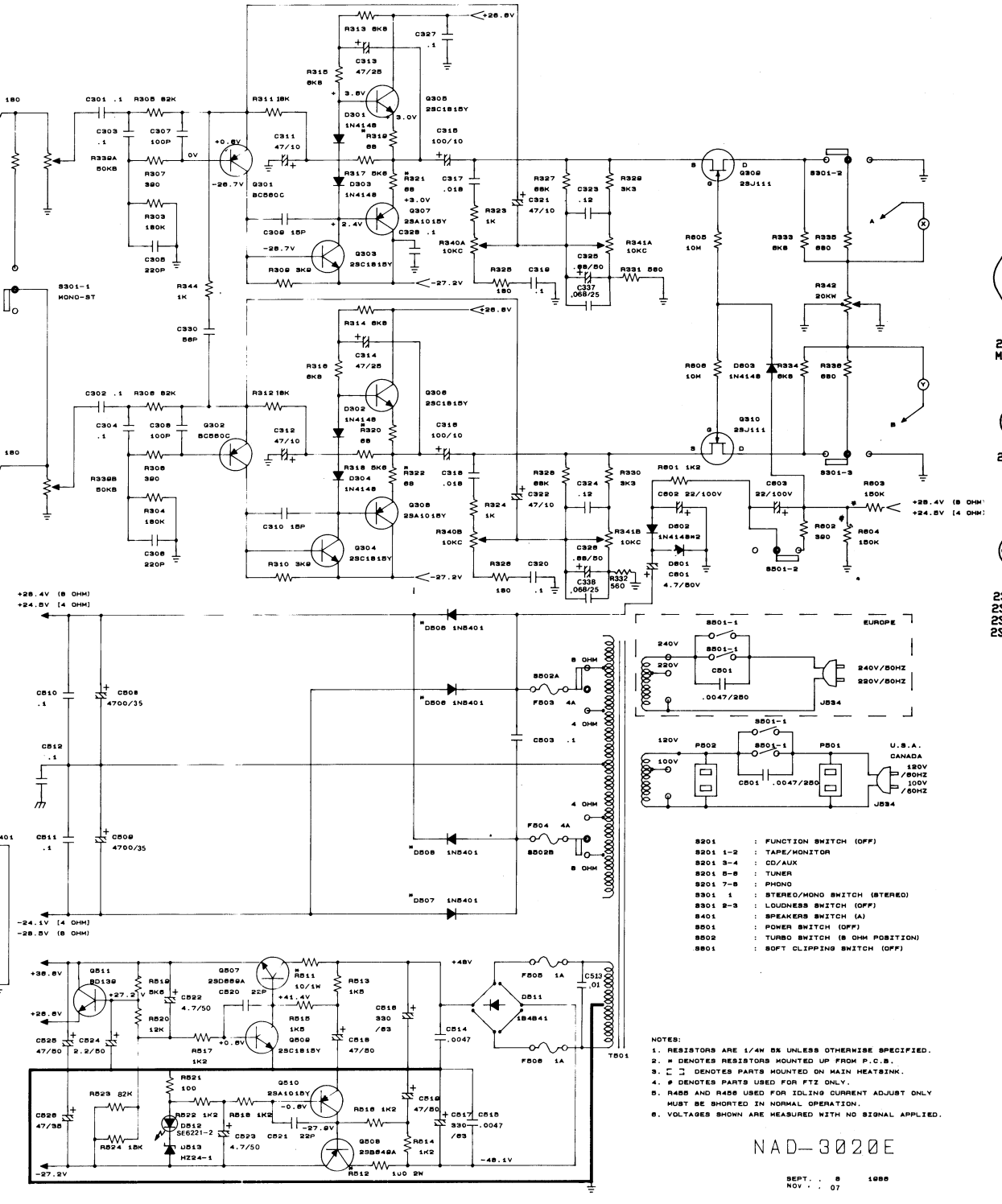
MAR 15 1989

3220PE
3020e
INTEGRATED AMPLIFIERS

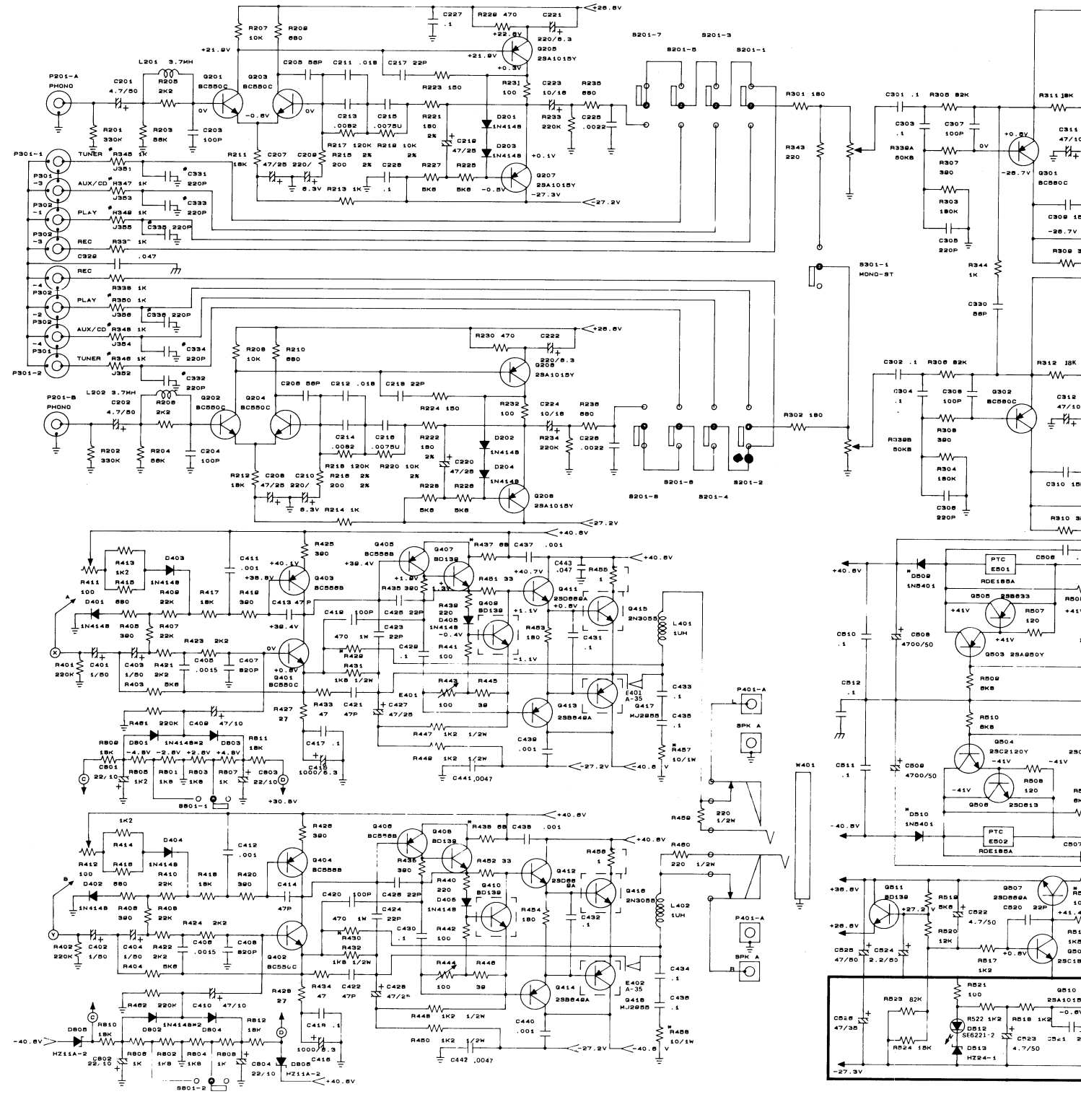
SCHEMATIC DIAGRAM NAD3020e AMPLIFIER



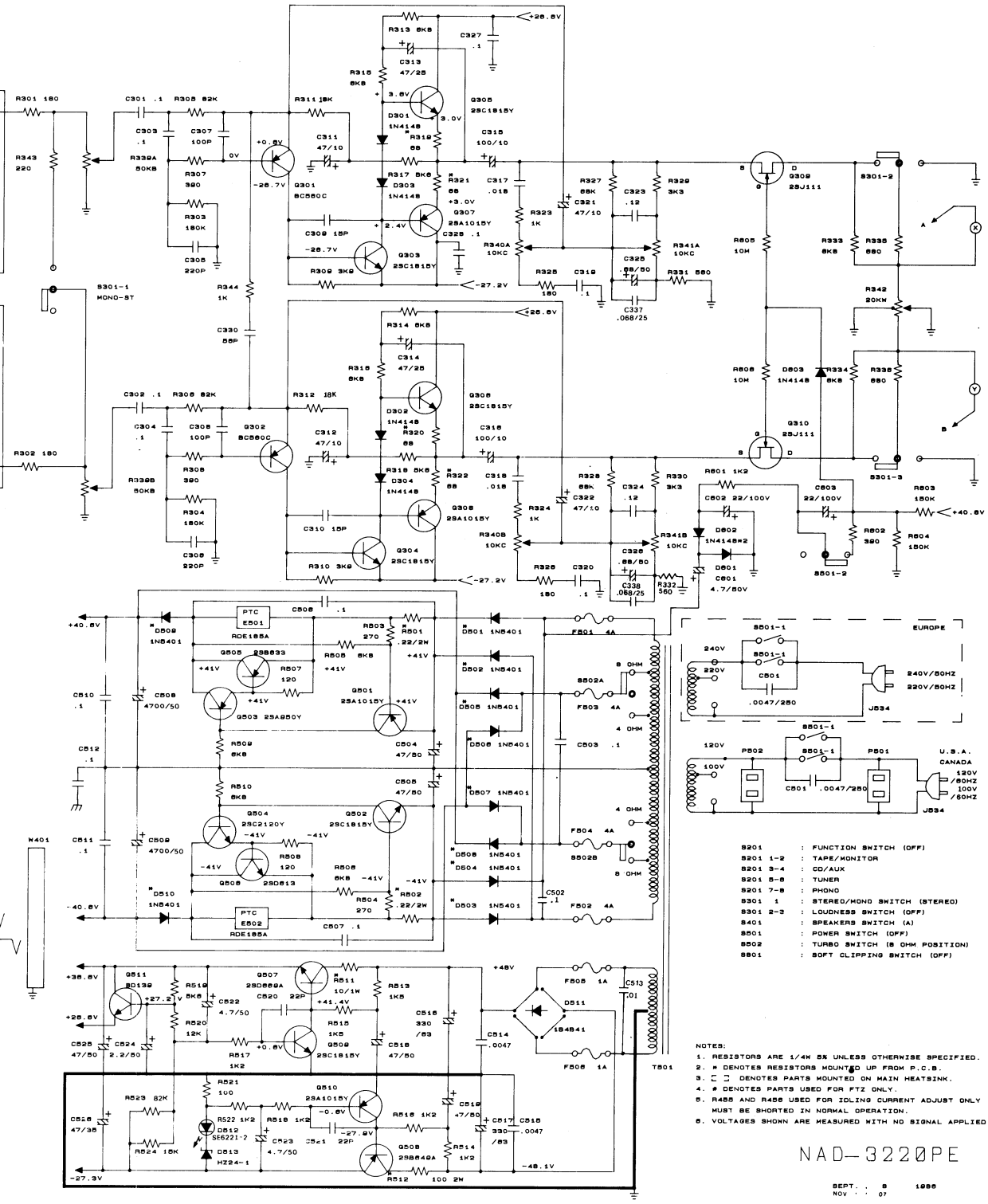
PLIFIER

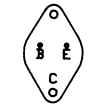

+28.6V
R313 6K8
C327 .1
C313 47/25
R315 6K8
3.6V
Q305 2SC1815Y
D301 1N4148
3.0V
R319 68
C315 100/10
C301 .1
R305 82K
C303 .1
C307 100P
R339A 50KB
0V
+0.6V
C311 47/10
R311 18K
R307 390
R303 180K
C305 220P
-26.7V
Q301 BC560C
R317 5K6
D303 1N4148
R321 68
+3.0V
C317 .018
Q307 2SA1015Y
+2.4V
C309 15P
C328 .1
-26.7V
Q303 2SC1815Y
R309 3K9
-27.2V
R323 1K
R340A 10KC
R327 68K
C321 47/10
R326 3K3
C323 .12
R341A 10KC
R325 180
C319 .1
C325 .068/50
C337 .068/25
R331 560
S301-1 MONO-ST
R344 1K
C330 56P
R333 8K8
R335 680
R342 20KH
R805 10M
S301-2
Q309 2SJ111
A
B
R314 6K8
C314 47/25
R316 6K8
Q306 2SC1815Y
D302 1N4148
R320 68
C316 100/10
C302 .1
R308 82K
C304 .1
C308 100P
Q302 BC560C
R312 18K
C312 47/10
R306 390
R304 180K
C306 220P
R339B 50KB
R322 68
C318 .018
R318 5K6
D304 1N4148
Q308 2SA1015Y
C310 15P
Q304 2SC1815Y
R310 3K9
-27.2V
R324 1K
R340B 10KC
R328 68K
C322 47/10
R330 3K3
C324 .12
R341B 10KC
R326 180
C320 .1
C326 .068/50
C338 .068/25
R332 560
R806 10M
D803 1N4148
R334 8K8
R336 680
Q310 2SJ111
S301-3
R801 1K2
C802 22/100V
C803 22/100V
R803 150K
+28.4V (8 OHM)
+24.5V (4 OHM)
D802 1N4148X2
D801 1N4148X2
C801 4.7/50V
R802 390
R804 150K
S501-2
2N3055
MJ2955
BD139
2SB669
2SD649
2SJ111
BC550C
BC556B
BC560C
2SA950
2SA1015
2SC1815
2SC2120
+28.4V (8 OHM)
+24.5V (4 OHM)
D806 1N5401
D805 1N5401
D804 1N5401
D807 1N5401
C810 .1
C808 4700/35
C812 .1
C811 .1
C809 4700/35
-24.1V (4 OHM)
-28.5V (8 OHM)
8 OHM
S502A
F503 4A
4 OHM
C803 .1
F504 4A
S502B
S501-1
EUROPE
240V
220V
C801 .0047/250
240V/50HZ
220V/50HZ
J534
120V
100V
F502
F501
U.S.A.
CANADA
120V /60HZ
100V /60HZ
+38.6V
Q511 BD139
R519 5K6
+27.2V
C522 4.7/50
R520 12K
+26.6V
C525 47/50
C524 2.2/50
Q507 2SD669A
C520 22P
R511 10/1W
+41.4V
R515 1K5
Q509 2SC1815Y
+0.6V
R517 1K2
R513 1K5
C518 330 /63
C519 47/50
+48V
F505 1A
C513 .01
D511 1B4B41
C514 .0047
F506 1A
T501
R521 100
R523 82K
Q510 2SA1015Y
-0.6V
R522 1K2
D512 SE6221-2
R524 15K
C526 47/35
U513 HZ24-1
R518 1K2
C521 22P
C523 4.7/50
-27.2V
R516 1K2
C516 47/50
C517 330 /63
C515 .0047
Q508 2SB649A
R514 1K2
-48.1V
R512 1U0 2W
-27.2V
S201 : FUNCTION SWITCH (OFF)
S201 1-2 : TAPE/MONITOR
S201 3-4 : CD/AUX
S201 5-6 : TUNER
S201 7-8 : PHONO
S301 1 : STEREO/MONO SWITCH (STEREO)
S301 2-3 : LOUDNESS SWITCH (OFF)
S401 : SPEAKERS SWITCH (A)
S501 : POWER SWITCH (OFF)
S502 : TURBO SWITCH (8 OHM POSITION)
S801 : SOFT CLIPPING SWITCH (OFF)
NOTES:
1. RESISTORS ARE 1/4W 5% UNLESS OTHERWISE SPECIFIED.
2. # DENOTES RESISTORS MOUNTED UP FROM P.C.B.
3. DENOTES PARTS MOUNTED ON MAIN HEATSINK.
4. @ DENOTES PARTS USED FOR FTI ONLY.
5. R455 AND R456 USED FOR IDLING CURRENT ADJUST ONLY MUST BE SHORTED IN NORMAL OPERATION.
6. VOLTAGES SHOWN ARE MEASURED WITH NO SIGNAL APPLIED.
NAD-3020E
SEPT. : 8 1986
NOV. : 07

SCHEMATIC DIAGRAM NAD3220PE AMPLIFIER

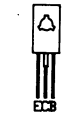


LIFIER





2N3055
MJ2955

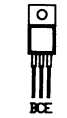


2SB669
2SD649
2SA496
BD139

2SJ111

BC550C
BC556B
BC560C

2SA950
2SA1015
2SC1815
2SC2120



2SB633
2SD613

S201	:	FUNCTION SWITCH (OFF)
S201 1-2	:	TAPE/MONITOR
S201 3-4	:	CD/AUX
S201 5-6	:	TUNER
S201 7-8	:	PHONO
S301 1	:	STEREO/MONO SWITCH (STEREO)
S301 2-3	:	LOUDNESS SWITCH (OFF)
S401	:	SPEAKERS SWITCH (A)
S501	:	POWER SWITCH (OFF)
S502	:	TURBO SWITCH (8 OHM POSITION)
S801	:	SOFT CLIPPING SWITCH (OFF)

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